



Printed Pages : 3

PH - 122(O)

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 5048

Roll No.

B. PHARM.

(SEM. II) EXAMINATION, 2006-07
PHARMACEUTICAL CHEMISTRY - II
(ORGANIC CHEMISTRY - I) (OLD)

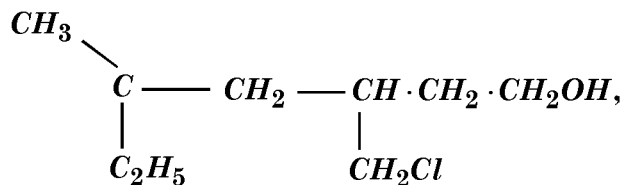
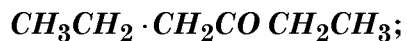
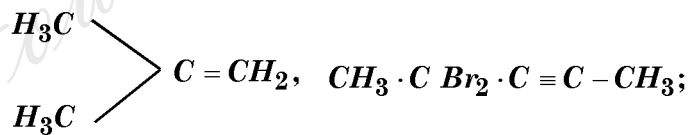
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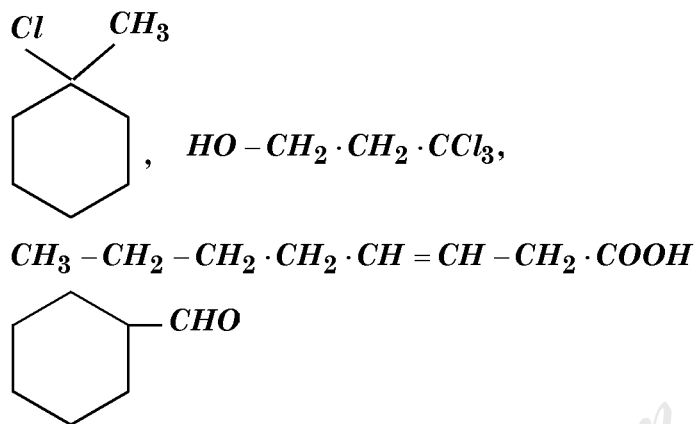
[Total Marks : 80

Note : Answer **all** the questions. All questions carry equal marks.

1 Answer any **four** of the following :

- (a) Hydrogen bonding
- (b) Resonance theory
- (c) Hybridization
- (d) IUPAC name of





structure of 4-Amino - 2, 6-dinitro toluene
cyclo hexane carbamide, Ethyl cyclohexane
carboxylate, 3-Methy / hept - zyne.

- 2 Write on any **two** of the following :
- (a) Structural isomerism
 - (b) R & S configuration
 - (c) Optical isomerism.
- 3 Answer any **two** of the following : **8+8=16**
- (a) Discuss the free radical addition reactions of butane with mechanism.
 - (b) Write any four chemical reactions of alkyl halides with mechanism.
 - (c) Write an account of
 - (i) Preparation of conjugated dienes
 - (ii) Differentiate primary, secondary and tertiary alcohols.

- 4** Answer any **two** of the following :
- (a) o, p and meta orienting groups
 - (b) Reactions of arenes
 - (c) Reactions of phenols.
- 5** Give a brief account on any **four** of the following : **4×4=16**
- (a) Aldol condensation
 - (b) Mechanism of Schiff reaction
 - (c) Reactions of acylhalides
 - (d) Synthetic applications of organolithium compounds
 - (e) Difference between Maleic and fumaric acid
 - (f) Wolf – Kishner reduction.